



## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	θ1/2
L-7104QBC-D	BLUE(GaN)	WATER CLEAR	650	1500	25 °

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ <sub>peak</sub>	Peak Wavelength	Blue	468		nm	IF=20mA
λ <sub>D</sub>	Dominate Wavelength	Blue	470		nm	IF=20mA
Δλ <sub>1/2</sub>	Spectral Line Halfwidth	Blue	25		nm	IF=20mA
C	Capacitance	Blue	100		pF	VF=0V;f=1MHz
V <sub>F</sub>	Forward Voltage	Blue	3.5	4.0	V	IF=20mA
I <sub>R</sub>	Reverse Current	Blue		10	μA	VR = 5V

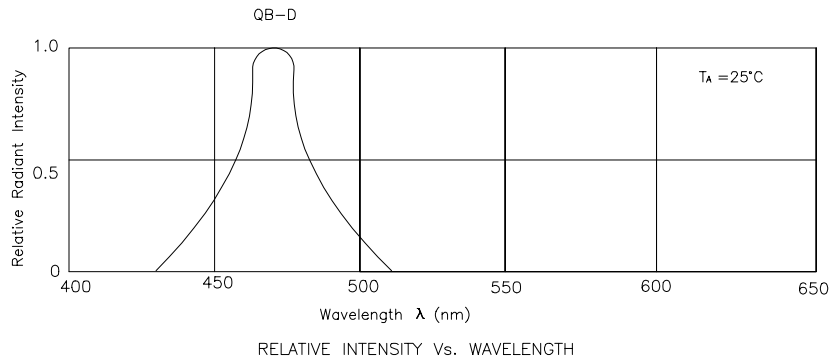
## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	Blue	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	180	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.

# Kingbright



## Blue L-7104QBC-D

